

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously presented) A noise figure-measuring device comprising;
an optical spectrum analyzing section for preparing optical spectrum information
of signal light from a light source; and

a noise figure calculating section for calculating, based on the optical spectrum
information, a noise figure generated by an optical amplifier, the optical amplifier for amplifying
the signal light from the light source at an appointed gain ratio, the appointed gain ratio
determined by using a provisional ASE light level from the light source, the optical amplifier
preparing an amplified light signal with the noise figure;

wherein the optical spectrum analyzing section prepares the optical spectrum
information of the signal light from the light source and optical spectrum information of the
amplified signal light.

2. (Previously presented) The noise figure-measuring device as set forth in Claim 1,
wherein the noise figure calculating section multiplies the optical spectrum information of the
light signal from the light source by a coefficient to prepare multiplied optical spectrum
information, the coefficient calculated by subtracting the provisional ASE light level from a peak
value of the amplified light source and dividing a difference by a peak value of the signal light;
and

the noise figure calculating section subtracts the multiplied optical spectrum information
from the optical spectrum information of the amplified signal light to prepare subtracted optical
spectrum information.

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